

## 2 Product Specifications

### 2-1 MJ15AS\*/MJ15BS\*/MJ17AS\*/MJ17BS\* Specifications

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## 2-2 MJ19AS\*/MJ19BS\*/MJ19ES\* Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally black transmissive, 19-Inch viewable, 0.297 (H) x 0.297 (V) mm pixel pitch	
Scanning Frequency	Horizontal : 31 kHz ~ 81 kHz (Automatic) Vertical : 55 Hz ~ 76 Hz	
Display Colors	16.2 Million colors	
Maximum Resolution	Horizontal : 1280 Pixels Vertical : 1024 Pixels	
Input Video Signal	Analog, 0.7 Vp-p ± 5% positive at 75 Ω, [Digital(TMDS): MJ19BS*] internally terminated	
Input Sync Signal	Type : Separate H/V sync, Composite H/V Level : TTL level (V high ≥ 2.0 V, V low ≤ 0.8 V), Sync-on-Green (≤ −0.25 V)	
Maximum Pixel Clock rate	135 MHz	
Active Display Horizontal/Vertical	376.32 mm ± 3 mm / 301.056 mm ± 3 mm	
AC power voltage & Frequency	AC 90 ~ 264 Volts, 60/50 Hz ± 3Hz	
Power Consumption	38W (normal)	
Dimensions	Simple Stand	Pivot Stand
Set (W x D x H)	16.4 x 2.4 x 13.8 Inches (416.6 x 60.2 x 349.4 mm) State of stand disassembled 16.4 x 7.7 x 16.7 Inches (416.6 x 195.7 x 424.6 mm) State of stand installed	16.4 x 2.4 x 13.8 Inches (416.6 x 60.2 x 349.4 mm) State of stand disassembled 16.4 x 7.5 x 16.7 Inches (416.6 x 190.9 x 423.4 mm) State of stand installed
Package	20.0 x 5.9 x 19.4 Inches (509 x 150 x 494 mm)	21.1 x 9.4 x 17.4 Inches (535 x 238 x 443 mm)
Weight (Set/Package)	5.85 kg (12.9 lbs) / 7.8 kg (17.2 lbs)	7.30 kg (16.1 lbs) / 9.1 kg (20.1 lbs)
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -13°F ~ 113°F (-25°C ~ 45°C) Storage Humidity : 5 % ~ 95 %	
• Designs and specifications are subject to change without prior notice.		

## 2-3 Pin Assignments

Pin No.	Sync Type	15-Pin D-Sub Signal Cable Connector		
		Separate	Composite	Sync-on-green
1		Red	Red	Red
2		Green	Green	Green + H/V Sync.
3		Blue	Blue	Blue
4		GND	GND	GND
5		DDC Return (GND)	DDC Return (GND)	DDC Return (GND)
6		GND-R	GND-R	GND-R
7		GND-G	GND-G	GND-G
8		GND-B	GND-B	GND-B
9		DDC Power Input (+5V)	DDC Power Input (+5V)	DDC Power Input (+5V)
10		Self Raster	Self Raster	Self Raster
11		GND	GND	GND
12		Bi-Dr Data (SDA)	Bi-Dr Data (SDA)	Bi-Dr Data (SDA)
13		H-Sync.	H/V-Sync.	Not Used
14		V-Sync.	Not Used	Not Used
15		DDC Clock (SCL)	DDC Clock (SCL)	DDC Clock (SCL)

Pin No.	Sync Type	24P DVI-D		
1		Rx2-	13	No Connection
2		Rx2+	14	+5V_M
3		GND	15	Self Raster
4		No Connection	16	+5V_M
5		No Connection	17	Rx0-
6		DDC Clock (SCL)	18	Rx0+
7		DDC Data (SDA)	19	NC
8		NC	20	No Connection
9		Rx1-	21	No Connection
10		Rx1+	22	NC
11		NC	23	RxC+
12		No Connection	24	RxC-

### Table 2-1 Timing Chart

### Separate Sync

**Horizontal**

**Vertical**

### H/V Composite Sync

### Sync-on-Green